

CLAIMS

I claim:

1. A sandwich-molded guide for an endless, flexible, transmission medium, said guide comprising an elongated slide rail having a surface along which said transmission medium can travel in sliding contact along the direction of elongation, and an elongated rail support, extending along said direction of elongation, for supporting said slide rail, the slide rail and rail support being sandwich-molded to form a guide for guiding or maintaining tension in said transmission medium, wherein said slide rail and said rail support are integrally molded from a high strength first polymer resin material, the integrally molded slide rail and rail support have an outer surface, and said outer surface is entirely covered by a wear-resistant second polymer resin material.

2. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 1, wherein said first polymer resin material is a glass fiber reinforced polyamide 66 resin.

3. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 1, wherein said first polymer resin material is a polyamide 46 resin.

4. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 1, wherein said

first polymer resin material is an aromatic polyamide resin.

5. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 1, wherein said second polymer resin material is a polyamide 66 resin.

6. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 2, wherein said second polymer resin material is a polyamide 66 resin.

7. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 3, wherein said second polymer resin material is a polyamide 66 resin.

8. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 4, wherein said second polymer resin material is a polyamide 66 resin.

9. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 1, wherein said second polymer resin material is a polyamide 6 resin.

10. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 2, wherein said second polymer resin material is a polyamide 6 resin.

11. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 3, wherein said second polymer resin material is a polyamide 6 resin.

12. A sandwich-molded guide for an endless, flexible, transmission medium according to claim 4, wherein said second polymer resin material is a polyamide 6 resin.